2007 Louisiana Annual Network Assessment

Louisiana Department of Environmental Quality
Office of Environmental Assessment
Air Quality Assessment Division

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The Louisiana Department of Environmental Quality's (LDEQ) Air Analysis section has operated State and Local Ambient Monitoring Stations (SLAMS), Photochemical Assessment Monitoring Stations (PAMS), Special Purpose Monitoring Stations (SPMS), and a proposed National Core Network (NCore) Ambient Air Monitoring Station as a requirement of the Code of Federal Regulations (CFR), Title 40, Part 58. These stations measure ambient air concentrations of those pollutants for which standards have been established in 40 CFR Part 50. Data acquired from the stations are submitted into the EPA's Air Quality System (AQS) where it is judged against the National Ambient Air Quality Standards (NAAQS). Access to this information is available through EPA's website (www.epa.gov). Conformance of the network to Appendix D (Network Design Criteria) and Appendix E (Probe and Path Siting Criteria) is determined using an Annual Review of the air quality surveillance system which states are required to provide for in 40 CFR 58.10. The location for this ruling is available in Docket ID No. EPA-HQ-OAR-2004-0018 in the http://www.regulations.gov index. The review is also used to ensure that the network is continuing to meet the objectives of the air monitoring program. The three basic objectives of the air monitoring program are follows:

1. Provide air pollution data to general public in a timely manner. Data can be presented to the public in a number of attractive ways including through air quality maps, newspapers, internet sites, and as a part of weather forecasts and public advisories.
2. Support compliance with ambient air quality standards and emissions strategy development. Data from the monitors for National Ambient Air Quality Standards (NAAQS) pollutants will be used for comparing an area's air pollution levels against the NAAQS. Data of various types can be used in the development of attainment and maintenance plans. Data can also be used to track trends in air pollution abatement control measures impact on improving air quality. In monitoring locations near major air pollution sources, source-oriented monitoring data can provide insight into how well industrial sources are controlling their pollutant emissions.
3. Support for air pollution research studies such as health effects assessments.

This review has several goals:

- Determine how (if) the network should be modified to continue to meet its monitoring objective and data needs (through termination of existing stations, relocation of stations, or establishment of new stations); and
- Investigate ways to improve the network to ensure that it provides adequate, representative, and useful air quality data.

Future Plans

Under EPA's proposed NCore design guidelines, the state of Louisiana is required to operate one NCore level 2 site, which will be the Capitol site. This will result in the replacement of current SO_2 and CO monitors at Capitol with SO_2 and CO trace gas monitors in order to study ozone precursors. This will also result in the addition of a NOy monitor at Capitol. The remaining sites in the state will all be PAMS, SLAMS, STN, State Speciation, State Toxics, or SPMs.

As required by the final rule for the national ambient air monitoring regulations, we are submitting our new PAMS network plan. The PAMS network plan exceeds the minimum monitoring requirements and can be found in Table C.

Regarding the upcoming PM_{coarse} standard, the LDEQ will continue to work with the EPA as they finalize the requirements of the new standard. As of March 2007, the National Ambient Air Quality Standard (NAAQS) for PM_{coarse} has not been proposed.

LDEQ has proposed the establishment of two additional monitoring stations in the New Orleans area. The Northshore station will monitor ozone and $PM_{2.5}$ (TEOM). The Meraux station will measure SO_2 and H_2S. These sites are proposed to begin sampling January 2008. In the continuing re-establishment of the New Orleans City Park station, LDEQ is proposing the addition of an ozone monitor to begin sampling January 2008. Additional in the New Orleans area, the Kenner station is scheduled to receive a new site building and may be moved 300 yards away from the tree line.

In regard to the PM2.5 network, we are changing the site designation for the Marrero station from SPMS to SLAMS. This change will require an increase in the sampling frequency from every 6^{th} day to every 3^{rd} day. LDEQ is requesting approval keep the current sampling frequency at the Marrero station due to continued low levels of particulate matter (80% of the NAAQS) and to reduce operation costs. LDEQ is also requesting an exemption for a PM10 monitor in Lafayette. In the past, LDEQ operated a PM10 monitor at this location, but was allowed to deactivate the monitor in 1998 due to exceeding low concentrations (less than 60% of NAAQS). Due to such low concentrations, LDEQ is requesting an exemption in monitoring PM10 in Lafayette.

In response to continuous lowering of ozone levels at the Westlake station (82% of the NAAQS), LDEQ is proposing the deactivation of the ozone monitor at that station at the end of 2007. Ozone monitoring at the Carlyss and Vinton stations will continue and are more than adequate in providing ozone network coverage in the Lake Charles area.

In the event of projected budget cuts for fiscal year 2008/09, LDEQ and EPA will work closely to minimize the impact of the cuts and to ensure continued public health. If any parameter classified as SPMS is over 85% of the NAAQS, LDEQ will confer with EPA Region 6 before any relocation or removal of monitors, in order to maintain adequacy of the network, and to achieve the objectives of the air monitoring program.

Table A.

MSA/CSA Population[1]	MSA/DEQ Region	Number of Monitors Required Prior to Rule Change	Number of Monitors Currently Required as of 12/18/2006	Number of Existing Monitors	Proposed Network
1,000,000-4,000,000	*New Orleans / Southeast Region*				
	Ozone	6	2	4	6
	Nitrogen Oxide	1	0	1	1
	Sulfur Dioxide	2	0	3	4
	Carbon Monoxide	2	0	0	0
	PM2.5 FRM	2	3	3	3
	PM2.5 TEOM	0	0	3	4
	PM10	0	0	1	1
350,000-1,000,000	*Baton Rouge / Capitol Region*				
	Ozone	9	2	12	12
	Nitrogen Oxide	3	2	10	10
	Nitrogen Oxide (low levels)	0	1	0	1
	Sulfur Dioxide	1	0	2	1
	Sulfur Dioxide (low levels)	0	1	0	1
	PM2.5 FRM	2	1	6	6
	PM2.5 Speciation	1	1	1	1
	Carbon Monoxide	1	0	1	0
	Carbon Monoxide (low levels)	0	1	0	1
	PM2.5 TEOM	2	0	4	4
	PM10	0	0	1	1
	PAMS	3	2	3	3

[1]Metropolitan Statistical Area, July 1, 2005, United States Census Bureau
http://www.census.gov/population/www/estimates/metropop/2005/cbsa-01-fmt.xls

MSA/CSA Population[1]	MSA/DEQ Region	Number of Monitors Currently Required	Number of Monitors NCore Required	Number of Existing Monitors	Proposed Network
	Shreveport / Northwest Region				
	Ozone	2	2	2	2
	Sulfur Dioxide	0	0	1	1
	PM2.5 FRM	1	1	1	1
	PM2.5 TEOM	1	0	1	1
	PM2.5 Speciation	0	0	1	1
	PM10	1	0	1	1
50,000-350,000	*Lafayette / Acadiana Region*				
	Ozone	1	1	1	1
	PM2.5 FRM	1	1	2	2
	Lake Charles / Southwest Region				
	Ozone	3	1	3	2
	Nitrogen Oxide	0	0	1	1
	Sulfur Dioxide	0	0	1	1
	PM2.5 FRM	0	1	2	2
	PM2.5 TEOM	0	0	1	1
	Alexandria / Monroe Central Region				
	Ozone	0	1	1	1
	Sulfur Dioxide	0	0	1	1
	PM2.5 FRM	0	0	2	2

[1]Metropolitan Statistical Area, July 1, 2005, United States Census Bureau
http://www.census.gov/population/www/estimates/metropop/2005/cbsa-01-fmt.xls

MSA/CSA Population[1]	MSA/DEQ Region	Number of Monitors Currently Required	Number of Monitors NCore Required	Number of Existing Monitors	Proposed Network
	Houma / Bayou Lafourche Region				
	Ozone	1	1	1	1
	PM2.5 FRM	0	1	1	1
	PM2.5 TEOM	0	0	1	1

[1]Metropolitan Statistical Area, July 1, 2005, United States Census Bureau
http://www.census.gov/population/www/estimates/metropop/2005/cbsa-01-fmt.xls

Table B.

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Alexandria 22-079-0002	8105 Tom Bowman D	Lat = 31.1777 Long = -92.4106	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	General Background	Regional	Yes	Alexandria
Baker 22-033-1001	Hwy 964	Lat = 30.5874 Long = -91.2073	NOx	SLAMS	Chemilum-inescence	Continuous	General Background	Urban	Yes	Baton Rouge
			Ozone	SLAMS	U.V. Absorption	Continuous	Highest Concentration		Yes	
			PM2.5	SPMS	Sequential FRM	24 hours every 6th day	General Background		Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 3rd day	Population Oriented		No	
Capitol 22-033-0009	1061-A Leesville Ave.	Lat = 30.46111 Long = -91.1769	PM 2.5	SLAMS	Sequential FRM	24 hours every day	High Pop. Density	Neighbor-hood	Yes	Baton Rouge
			PM2.5	SLAMS	Sequential FRM (Collocated)	24 hours every 12th day	High Pop. Density		Yes	
			PM2.5	SPMS	Continuous	Continuous	High Pop. Density		No	
			PM2.5	STN	Chemical Speciation	24 hours every 3rd day	High Pop. Density		No	
			SO2	PAMS	U.V. Fluorescence	Continuous	High Concentration		Yes	
			Ozone	PAMS	U.V. Absorption	Continuous	High Pop. Density		Yes	
			CO	PAMS	Nondispersive Infrared	Continuous	High Pop. Density		Yes	
			NOx	PAMS	Chemilumin-escence	Continuous	High Pop. Density		Yes	
			VOC	PAMS	Canisters, Trigger Canisters	8 3-hour samples daily June-August	High Pop. Density		Yes	

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
LSU 22-033-0003	East End Aster Lane	Lat = 30.4198 Long = -91.1833	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration	Middle	Yes	Baton Rouge
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	3 hour samples daily	High Concentration		No	
Bayou Plaquemine 22-047-0009	65180 Belleview Rd.	Lat = 30.22097 Long = -91.3153	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	Population Oriented	Neighbor-hood	Yes	Baton Rouge
			NOx	PAMS	Chemilumin-escence	Continuous	High Concentration		Yes	
			Ozone	PAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			VOC	PAMS	Canisters, Trigger Canisters	4 3-hour samples daily June-August	Population Oriented		No	
Carlyss 22-019-0002	Hwy 28 & Hwy 108	Lat = 30.13986 Long = -93.3684	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Lake Charles
Carville 22-047-0012	Hwy 141	Lat = 30.20698 Long = -91.12998	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	Baton Rouge
			NOx	SPMS	Chemilumin-escence	Continuous	Source Oriented	Neighbor-hood	Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 3rd day	Source Oriented		No	
Convent 22-093-0002	St. James Courthouse Hwy 44 @ Canatella	Lat = 29.99492 Long = -90.8173	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge
Dixie 22-017-0001	Haygood Rd.	Lat = 32.6831 Long = -93.8614	Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration	Urban	Yes	Shreveport

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Dutchtown 22-005-0004	11153 Kling Rd.	Lat = 30.22942 Long = -90.9655	Ozone	SPMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge
			NOx	SPMS	Chemilumin-escence	Continuous	General Background		Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 3rd day	Population Oriented		No	
French Settlement 22-063-0002	16627 Perrilloux Ln @ Hwy 16	Lat = 30.3152 Long = -90.8112	NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration General Background	Neighbor-hood	Yes	Baton Rouge
			Ozone	SPMS	U.V. Absorption	Continuous	High Concentration General Background		Yes	
			PM2.5	SPMS	Continuous	Continuous	General Background		No	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 6th day	Population Oriented		No	
Garyville 22-095-0002	E. Azaela St.	Lat = 30.05731 Long = -90.6191	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Regional	Yes	Baton Rouge
Geismar 22-047-0005	Hwy 75	Lat = 30.2383 Long = -91.0624	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	Baton Rouge

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Grosse Tete 22-047-0007	19145 Sydney Rd.	Lat = 30.3995 Long = -91.4184	NOx	SPMS	Chemilumin-escence	Continuous	High Concentration General Background	Urban	Yes	Baton Rouge
			Ozone	SPMS	U.V. Absorption	Continuous	High Concentration General Background		Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 3rd day	Population Oriented		No	
Hammond 22-105-0001	21549 Old Covington Hwy	Lat = 30.5031 Long = -90.37694	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	New Orleans
			PM2.5	SPMS	Sequential FRM (Collocated)	24 hours every 12th day	High Pop. Density		Yes	
Hahnville 22-089-0003	1 River Park Drive	Lat = 29.98411 Long = -90.3594	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	New Orleans
Houma 22-109-0001	4047 West Park Ave. at Hwy 24	Lat = 29.67897 Long = -90.7798	PM2.5	SLAMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	New Orleans
Kenner 22-051-1001	100 West Temple Pl.	Lat = 30.04097 Long = -90.2728	NOx	SLAMS	Chemilumin-escence	Continuous	High Pop. Density	Urban	Yes	New Orleans
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			PM2.5	SLAMS	Sequential FRM	24 hours everyday	High Pop. Density		Yes	
			PM2.5	SPMS	Continuous	Continuous	High Pop. Density		No	

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Lafayette State Police Troop I 22-055-0006	121 E. Pont Des Mouton	Lat = 30.27464 Long = -92.0172	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	Lafayette
Lafayette USGS 22-055-0007	700 Cajundome	Lat = 30.22589 Long = -92.0427	PM2.5	SLAMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	Lafayette
			Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density	Neighbor-hood	Yes	Lafayette
Lake Charles McNeese University 22-019-0010	Common & E. McNeese	Lat = 30.17714 Long = -93.2146	PM2.5	SLAMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	Lake Charles
Marrero 22-051-2001	Patriot & Allo St.	Lat = 29.88314 Long = -90.0898	PM2.5	SLAMS	Sequential FRM	24 hours every 6th day	High Pop. Density	Neighbor-hood	Yes	New Orleans
Monroe 22-073-0004	5296 Southwest Rd.	Lat = 32.5098 Long = -92.0461	PM2.5	SLAMS	Sequential FRM	24 hours every 3rd day	General Background	Neighbor-hood	Yes	Monroe
			Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Monroe
New Orleans City Park 22-071-0012	Florida & Orleans Ave.	Lat = 29.99328 Long = -90.1015	PM2.5	SPMS	Continuous	Continuous	High Pop. Density	Neighbor-hood	No	New Orleans
			Ozone (Proposed)	SLAMS	U. V. Absorption	Continuous	High Pop. Density		Yes	
New Roads 22-077-0001	Hwy 415	Lat = 30.68175 Long = -91.3662	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	Baton Rouge

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Port Allen 22-121-0001	3758 Hwy 1	Lat = 30.5021 Long = -91.2109	PM2.5	SLAMS	Sequential FRM	24 hours every day	High Concentration	Neighbor-hood	Yes	Baton Rouge
			PM2.5	SPMS	Continuous	Continuous	High Concentration		No	
			NOx	SLAMS	Chemilumin-escence	Continuous	High Concentration		Yes	
			Ozone	SLAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			SO2	SLAMS	U.V. Fluorescence	Continuous	High Concentration		Yes	
			PM10	SLAMS	Gravimetric	24 hours every 6th day	High Concentration		Yes	
			VOC	State Toxics	Canisters, Trigger Canisters	24 hours every 3rd day	Population Oriented		No	
Pride 22-033-0013	11245 Port Hudson Rd.	Lat = 30.70092 Long = -91.0561	NOx	PAMS	Chemilumin-escence	Continuous	High Concentration	Neighbor-hood	Yes	Baton Rouge
			Ozone	PAMS	U.V. Absorption	Continuous	High Concentration		Yes	
			PM2.5	PAMS	Continuous	Continuous	High Concentration		No	
			VOC	PAMS	Canister, Trigger Canisters	4 3hour samples every 3 days June-August	Population Oriented		No	
Shreveport Airport 22-015-0008	1425 Airport Dr.	Lat = 32.5363 Long = -93.7489	Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density	Neighbor-hood	Yes	Shreveport
			SO2	SLAMS	U.V. Fluorescence	Continuous	High Pop. Density		Yes	
			PM2.5	SPMS	Continuous	Continuous	General Background		No	
			PM2.5	SPMS	Chemical Speciation	24 hours every 6th day	General Background		No	

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Shreveport Calumet 22-017-0008	Midway St.	Lat = 32.4714 Long = -93.7947	PM2.5	SLAMS	Sequential FRM	24 hours every 3rd day	High Pop. Density	Neighbor-hood	Yes	Shreveport
			PM2.5	SLAMS	Sequential FRM (Collocated)	24 hours every 12th day	High Pop. Density		Yes	
			PM10	SLAMS	Gravimetric	24 hours every 6th day	High Pop. Density		Yes	
Thibodaux 22-057-0004	194 Thorough-bred Park	Lat = 29.76444 Long = -90.7656	Ozone	SLAMS	U.V. Absorption	Continuous	General Background	Neighbor-hood	Yes	New Orleans
			PM2.5	SPMS	Continuous	Continuous	General Background		No	
Vinton 22-019-0009	2284 Paul Bellow Rd.	Lat = 30.22756 Long = -93.5798	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	Regional Transport	Neighbor-hood	Yes	Lake Charles
			Ozone	SPMS	U.V. Absorption	Continuous	General Background		Yes	
Westlake 22-019-0008	2646 John Stine Rd.	Lat = 30.26236 Long = -93.2849	Ozone	SLAMS	U.V. Absorption	Continuous	High Pop. Density	Neighbor-hood	Yes	Lake Charles
			SO2	SLAMS	U.V. Fluorescence	Continuous	High Pop. Density		Yes	
			NOx	SLAMS	Chemilumin-escence	Continuous	High Pop. Density		Yes	
			PM2.5	SPMS	Continuous	Continuous	High Pop. Density		No	
			VOC	State Toxics	Canisters	24 hours every 6th day	Population Oriented		No	
Special Purpose Monitors										
Algiers Entergy 22-071-0020	2456 Ernest	Lat = 29.92309 Long = -89.9819	SO2	State SPMS	U.V. Fluorescence	Continuous	Source Oriented	Neighbor-hood	No*	New Orleans
			H2S	State Toxics	U.V. Fluorescence	Continuous	Source Oriented		No	
			VOC	State Toxics	Canisters	24 hours every 6th day	Source Oriented		No	

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Chalmette High School 22-087-0009	1100 E. Judge Perez	Lat = 29.93542 Long = -89.9557	Ozone	SPMS	U.V. Absorption	Continuous	Source Oriented	Neighbor-hood	No*	New Orleans
			SO2	SPMS	U.V. Fluorescence	Continuous	Source Oriented		No*	
			H2S	State Toxics	U.V. Fluorescence	Continuous	Source Oriented		No	
			VOC	State Toxics	Canisters	24 hours every 6th day	Source Oriented		No	
Chalmette Vista 22-087-0007	24 E. Chalmette Circle	Lat = 29.94317 Long = -89.9763	PM2.5	SPMS	Sequential FRM	24 hours every 3rd day	Source Oriented	Neighbor-hood	No*	New Orleans
			PM2.5	SPMS	Continuous	Continuous	Source Oriented		No	
			PM10	SPMS	Gravimetric	24 hours every 6th day	Source Oriented		No*	
			SO2	SPMS	U. V. Fluorescence	Continuous	Source Oriented		No*	
			H2S	State Toxics	U.V. Fluorescence	Continuous	Source Oriented		No	
			VOC	State Toxics	Canisters	24 hours every 6th day	Source Oriented		No	
Lake Charles Lighthouse Lane SPECIAL3	Lighthouse Lane and Bayou D'Inde Pass	Lat = 30.21575 Long = -93.3109	VOC	State Toxics	Canisters	24 hours every 6th day	Population Oriented	Neighbor-hood	No	Lake Charles
Southern University 22-033-2002	Isabel Herson St.	Lat = 30.52566 Long = -91.1862	SO2	State Toxics	U.V. Fluorescence	Continuous		Neighbor-hood	No*	Baton Rouge
			VOC	State Toxics	Canisters	24 hours every 3rd day			No	

Site Name AQS ID #	Address/ Location	Latitude/ Longitude Coordinates	Pollutant Measured	Station Type	Sampling Method	Operating Schedule	Monitoring Objective	Spatial Scale	NAAQS Comparable	MSA Represented
Proposed Sites										
Meraux			SO2	SPMS	U.V. Fluorescence	Continuous	General Background	Urban	No*	New Orleans
			H2S	State Toxics	U.V. Fluorescence	Continuous	General Background		No	
			VOC	State Toxics	Canisters		General Background		No	
Northshore			Ozone	SPMS	U.V. Absorption	Continuous	Source Oriented	Neighbor-hood	No*	New Orleans
			PM2.5	SPMS	Continuous	Continuous	Source Oriented		No	

*Special purpose monitors must run for 24 months before they are applicable to the NAAQS.

Table C. New PAMS Network Plan

Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Capitol	2	Speciated VOC	Eight 3-hr canisters daily (0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100 LST)	June-August
22-033-0009		TNMOC	Hourly	June-August
		NO, NO_2, NO_x	Hourly	January-December
		*CO (ppb level)	Hourly	January-December
		Ozone	Hourly	January-December
		*SO_2 (low level)	Hourly	January-December
		Wind Speed**	Hourly	January-December
		Wind Direction**	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		UV Radiation	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
		Precipitation	Hourly	January-December

Site Name	Site Type	Pollutant	Sampling Frequency	Sampling Period
Bayou Plaquemine	3/1	*Speciated VOC	Four 3-hr canisters daily (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST)	June-August
22-047-0009		TNMOC	Hourly	June-August
		*NO_y	Hourly (This will take 6-12 months for set-up)	January-December
		Ozone	Hourly	January-December
		Wind Speed**	Hourly	January-December
		Wind Direction**	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
		NO, NO_2, NO_x	Hourly	January-December
Pride	1/3	Speciated VOC	Four 3-hr cans every 3 days (i.e. 0300-0600, 0600-0900, 1500-1800, 1800-2100 LST)	June-August
22-033-0013		TNMOC	Hourly	June-August
		NO, NO_2, NO_x	Hourly	January-December
		Ozone	Hourly	January-December
		Wind Speed**	Hourly	January-December
		Wind Direction**	Hourly	January-December
		Temperature	Hourly	January-December
		Relative Humidity	Hourly	January-December
		Barometric Pres.	Hourly	January-December
		Solar Radiation	Hourly	January-December
Upper Air Meteorology (Rawinsondes-Balloon Launches)			Episodic	June-August

*new to this location
**The wind speed and wind direction are the resultant ws and resultant wd parameters as currently reported to AQS.

Site pictures can be found at http://www.deq.louisiana.gov/portal/tabid/2466/Default.aspx by clicking on the desired location on the site map. The annual precision/accuracy report can be found at http://www.deq.louisiana.gov/portal/tabid/2420/Default.aspx.